

E A R S D O N
U R B A N D I S T R I C T C O U N C I L .

R E P O R T S

O F

T A Y L O R D I X O N , M . B . B . S . ,

M E D I C A L O F F I C E R O F H E A L T H .

A N D

J . R . M A C M I L L E N ,

I N S P E C T O R O F N U I S A N C E S .

1 9 0 5 .

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EARSDON,

JANUARY, 1906.

TO THE CHAIRMAN AND MEMBERS OF THE
Earsdon Urban District Council.

GENTLEMEN,

I beg to forward you my Report for the Twelve Months ending December 31st, 1905.

POPULATION.

The population of the District, according to the census of 1901 was 9,020, and estimated to the middle of the year 1905 was 9,530.

AREA.

The total area of the District is 4,711 acres.

BIRTHS.

Three hundred and forty-two births have been registered, a decrease of thirty-one from last year, which gives a birth rate of 35·88 per thousand per annum.

In 1904 the number of births was 373, giving a birth rate of 39·57 per thousand per annum.

In 1903 the number of births was 374, giving a birth rate of 40·32 per thousand per annum.

DEATHS.

The number of deaths, after adding those of residents who have died outside the District, and deducting those of non-residents who have died in the District, is one hundred and sixty-two, a decrease of fifteen from last year, which gives a death rate of 16·99 per thousand per annum.

In 1904 the death rate was 18·82 per thousand per annum.

In 1903 it was 18 per thousand per annum.

The following Table shows the number of deaths of residents which have occurred in each Township during each quarter of the year, also ages in groups at which the deaths took place.

TOWNSHIPS.	First Qr.	Second Qr.	Third Qr.	Fourth Qr.	TOTAL.	Under 1 Year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up- wards.	DEATHS.
Earsdon ...	22	14	9	17	62	27	8	4	1	12	10	{ Under 5 Years 35 Over 5 Years 27
Backworth ...	3	2	8	7	20	6	...	...	...	7	7	{ Under 5 Years 6 Over 5 Years 14
Holywell ...	20	9	13	9	51	13	11	1	1	13	12	{ Under 5 Years 24 Over 5 Years 27
Murton ...	7	6	6	10	29	16	4	1	...	1	7	{ Under 5 Years 20 Over 5 Years 9
Whole District	52	31	36	43	162	62	23	6	2	33	36	162

ZYMOTIC DEATH RATE.

There have been sixteen deaths from Zymotic Disease, which gives a death rate of 1·67 per thousand per annum, a decrease of 1·52 per thousand per annum from last year.

Of these deaths 5 occurred in Earsdon Township.

„	„	8	„	Holywell	„
„	„	3	„	Murton	„

Seven were under one year, and nine were between one and five years of age.

PHTHISIS DEATH RATE.

There have been 11 deaths from Phthisis during the year, which gives a death rate of 1·15 per thousand per annum, an increase of ·09 per thousand from that of last year.

Following are Tables of Statistics, and Table showing the causes of, and ages at which the deaths took place.

Table I.—EARS DON URBAN DISTRICT.—Vital Statistics in whole district during 1905 and previous years.

YEAR.	Population estimated to Middle of eac Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTITU- TIONSS IN THE DISTRICT.	Deaths of Non- Residents registered in Public Institu- tions in the District. 10	Deaths of Residents registered in Public Institu- tions beyond the District. 11	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number.	Rate.*	At all Ages.		Number.	Rate.*					
				Under 1 Year of Age.	Rate per 1,000 Births Registered. 6						7	8
1	2	3	4	5	6	7	8	9	10	11	Number.	Rate.*
1895								9			12	13
1896												
1897	8210	199	32·31	41	206	100	16·24					
1898	8650	295	34·1	50	169	139	16·06					
1899	8834	286	32·37	70	244	155	17·54					
1900	9049	322	35·58	52	161	139	18·6					
1901	9020	356	39·46	67	188	178	19·73					
1902	9175	388	36·73	51	150	144	15·68	1	1	1	167	18·00
1903	9275	374	40·32	75	200	167	18·00	1	...	...	177	18·82
1904	9400	373	39·57	76	203	177	18·82					
Averages for years 1897-1904.	8951	324	36·30	60	190	149	17·58					
1905	9530	342	35·88	62	181	159	16·68	1	1	4	162	16·99

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10, and the addition of the number in Column 11.

By the term “Non-residents” is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term “Residents” is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The “Public Institutions” to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses, and lunatic asylums. A list of the Institutions in respect of the deaths in which corrections have been made should be given on the Table opposite.

Area of District in acres (exclusive of area covered by water) 4,711.

Total population at all ages, 9,020; number of inhabited houses, 1,824; average number of persons per house, 4·94 (at Census of 1901).

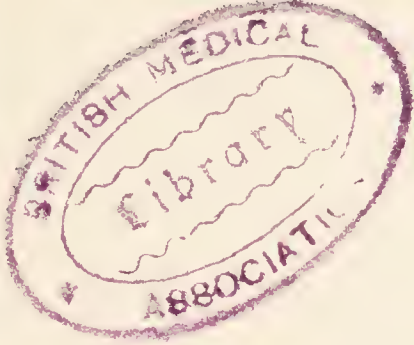
I. Institutions within the District receiving sick and infirm persons from outside the District.	II. Institutions outside the District receiving sick and infirm persons from the District.	III. Other Institutions, the deaths in which have been distributed among the several localities in the District.
Grange Hospital.	Tynemouth Workhouse.	
	Is the Union Workhouse within the District ?	No.

Table II.—EARS DON URBAN DISTRICT.—Vital Statistics of separate localities in 1905, and previous years

NAMES OF LOCALITIES.	EARS DON.				BACKWORTH.				HOLYWELL.				MURTON.			
	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year
YEAR.	(A.)	(B.)	(C.)	(D.)	(A.)	(B.)	(C.)	(D.)	(A.)	(B.)	(C.)	(D.)	(A.)	(B.)	(C.)	(D.)
1897	2010	51	26	11	2350	40	31	8	3112	102	36	15	738	6	7	7
1898	2358	116	40	15	2375	48	30	9	3167	112	57	23	758	19	12	3
1899	2425	98	68	30	2387	55	23	8	3222	106	50	24	800	27	14	8
1900	2550	117	48	20	2397	50	30	7	3252	109	46	19	850	46	15	6
1901	2898	130	60	27	2168	67	33	6	3085	122	62	20	869	37	23	14
1902	2926	125	43	15	2168	53	26	3	3111	120	48	24	970	40	27	9
1903	2976	142	69	34	2168	55	28	8	3163	107	43	23	995	70	27	10
1904	3032	143	48	25	2168	45	37	9	3200	132	54	24	1000	53	38	18
Averages of Years 1895 to 1904	2464	115	50	22	2272	51	29	7	3164	113	49	21	872	37	20	9
1905	3077	139	62	27	2178	48	20	6	3260	100	51	13	1015	55	29	16

NOTES.—(A.) The separate localities adopted for this Table should be areas of which the populations are obtainable from the census returns, such as wards, parishes or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district; and blocks 2, 3, &c., for the several localities. In small districts without recognised divisions of known population this Table need not be filled up.

(B.) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns (C.) of this Table, and those of non-residents registered in public institutions in the district excluded. (See note on Table 1. as to meaning of terms “resident” and “non-resident.”)

(C.) Deaths of residents occurring in public institutions, whether within or without the district, are to be allotted to the respective localities according to the addresses of the deceased.

(D.) Care should be taken that the gross totals of the several columns in this Table respectively equal the corresponding totals for the whole districts in Tables 1. and IV.; thus, the totals of sub-columns A, B, and C should agree with the figures for the year in the columns 2, 3, and 12 respectively of Table I.; the gross total of the sub-columns C should agree with the total of column 2 in Table IV., and the gross total of sub-columns D with the total of column 3 in Table IV.

Table IV.—EARS DON URBAN DISTRICT.—Causes of, and Ages at, Death during the year 1905.

CAUSES OF DEATH.		Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.							Deaths at all ages of "Residents" belonging to localities, whether occurring in or beyond the District.				Total deaths whether of Residents or non-"Residents" in Public Institutions in the District. 13
		All Ages. 2	Under 1 year. 3	1 and under 5 4	5 and under 15 5	15 and under 25 6	25 and under 65 7	65 and up-wards. 8	Earsdon 9	Backworth. 10	Holywell. 11	Murton. 12	
1													
Small-pox ...	...	5	1	4	...	...	...	...	2	...	3	...	...
Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	...	3	...	3	...	...	...	...	1	...	1	1	...
Whooping Cough ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria and Membranous Croup	...	...	...	...	...	...	...	...	...	...	...	...	...
Fever { Typhus ...	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Enteric ...	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Other continued	...	...	...	...	...	...	...	...	...	...	...	...	1
Epidemic Influenza ...	...	1	...	...	...	...	1	...	...	...	1	...	...
Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague ...	...	8	6	2	...	...	...	...	2	...	4	2	...
Diarrhoea (see notes at back) ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteritis (see notes at back) ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever (see notes at back)	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other septic diseases	...	11	...	...	1	1	8	1	3	1	7	...	...
Phthisis (Pulmonary Tuberculosis)	...	3	...	3	...	...	...	...	1	...	2	...	...
Other Tubercular diseases	...	4	...	...	...	...	2	2	1	...	2	...	...
Cancer, Malignant disease (see notes)	...	9	8	1	...	...	...	4	3	...	1	5	...
Bronchitis ...	...	16	4	3	2	...	3	2	7	1	4	4	...
Pneumonia ...	...	3	...	...	...	...	1	...	...	...	2	...	...
Pleurisy ...	...	1	...	1	...	...	...	...	...	...	1	...	...
Other diseases of Respiratory organs	...	...	...	...	...	...	...	...	...	...	...	...	...
Alcoholism—Cirrhosis of Liver	...	7	7	...	...	...	...	...	3	...	3	1	...
Venereal diseases...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature birth ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases and Accidents of Parturition	...	13	...	...	...	1	7	5	5	2	4	2	...
Heart Diseases ...	...	6	1	1	1	...	2	1	2	...	2	2	...
Accidents ...	...	1	...	...	...	...	1	...	...	...	...	...	...
Suicides ...	...	4	...	...	...	...	1	3	1	1	1	1	...
Apoplexy ...	...	17	13	4	...	...	...	15	10	3	3	2	...
Convulsions	...	15	22	...	...	...	...	3	7	3	3	2	...
Senile Decay	...	35	...	1	2	...	7	3	14	6	9	6	...
All other causes ...	...	162	62	23	6	2	33	36	62	20	51	29	1
All causes ...	...	...	...	...	...	...	...	...	...	...	...	...	...

See Notes on following page.

Notes to Table IV.

- NOTES.—(a) In this Table all deaths of “Residents” occurring in public institutions, whether within or without the district, are to be *included* with the other deaths in the columns for the several age groups (columns 2-8). They are also, in columns 9-15, to be *included* among the deaths in their respective “Localities” according to the previous address of the deceased as given by the Registrars. Deaths of “Non-residents” occurring in public institutions in the district are in like manner to be *excluded* from columns 2-8 and 9-15 of this Table.
- (b) See notes on Table I. as to the meaning of “Residents” and “Non-residents, and as to the “Public Institutions” to be taken into account for the purposes of these Tables. The “Localities” should be the same as those in Tables II. and III.
- (c) All deaths occurring in public institutions situated within the district, whether of “Residents” or of “Non-residents,” are, in addition to being dealt with as in note (a), to be entered in the last column of this Table. The total number in this column should equal the figures for the year in column 9, Table I.
- (d) The total deaths in the several “localities” in columns 9-15 of this Table should equal those for the year in the same localities in Table II., sub-columns (c). The total deaths at all ages in column 2 of this Table should equal the gross total of columns 9-15, and the figures for the year in column 12 of Table I.
- (e) Under the heading of “Diarrhoea” are to be included deaths certified as from Diarrhoea, alone or in combination with some other cause of ill-defined nature; and also deaths certified as from Epidemic Enteritis; Zymotic Enteritis; Epidemic Diarrhoea; Summer Diarrhoea; Dysentery and Dysenteric Diarrhoea; Choleraic Diarrhoea, Cholera, Cholera Nostras (in the absence of Asiatic Cholera).
- Under the heading of “Enteritis” are to be included those certified as from Gastro-enteritis, Muco-enteritis, and Gastric Catarrh, unless from information obtained by enquiry from the certifying practitioner or otherwise, the Medical Officer of Health should have reason for including such deaths, especially those of infants, under the specific term “Diarrhoea.” Deaths from Diarrhoea secondary to some other well-defined disease should be included under the latter.
- Under the headings of “Cancer” and “Puerperal Fever” should be included all registered deaths from causes comprised within these general terms.

In recording the facts under the various headings of Tables I., II., III., and IV., attention has been given to the notes on the Tables.

January, 1906.

TAYLOR DIXON, Medical Officer of Health.

INFANT MORTALITY.

There have been 62 deaths of children under one year of age, which gives a mortality rate of 181·28 per 1,000 births, a decrease of 22·47 from that of last year.

Of these deaths, 27 occurred in Earsdon Township, which gives a mortality rate of 194·24 per 1,000 births; 6 occurred in Backworth Township, which gives a mortality rate of 125 per 1,000 births; 13 occurred in Holywell Township, which gives a mortality rate of 130 per 1,000 births; 16 occurred in Murton Township, which gives a mortality rate of 290·9 per 1,000 births.

It will be seen that the Infantile Mortality Rate is lowest in the Backworth Township, probably due to the young married people removing from the houses of their parents there, and coming into the Earsdon Township, where, as there are fewer colliery and more rented houses, they are better able to get a home of their own.

It will also be seen that in the Murton Township the rate is exceedingly high, due, I think, to the unsettled class of people there, who keep coming and going, and consequently take little care of young children.

The following table shows the ages at which the deaths took place, also the causes of death :—

Table V.—EARS DON URBAN DISTRICT.—Infantile Mortality during the Year 1905.
Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.	
All Causes	Certified ...	21	...	4	1	26	6	5	3	2	4	2	2	4	1	1	3	...	
	Uncertified ...	...	...	...	...	...	...	1	...	...	...	1	...	1	...	...	...		1
<i>Common Infectious Diseases—</i>																			...
Small-pox ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Measles ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria—Croup ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<i>Diarrhoeal Diseases—</i>																			...
Diarrhoea, all forms ...		...	...	...	...	...	...	...	2	...	2	1	...	1	...	...	...	6	
Enteritis (not Tuberculous) ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gastritis, Gastro-intestinal Catarrh ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<i>Wasting Diseases—</i>																			7
Premature Birth ...		7	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...
Congenital Defects ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Injury at Birth ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Want of Breast Milk ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atrophy, Debility, Marasmus ...		8	...	1	1	10	1	2	...	...	2	...	...	1	...	1	...	...	18
Convulsions ...		2	...	2	...	4	2	2	1	1	...	1	...	2	...	...	2	...	13
Bronchitis ...		...	...	1	...	1	3	...	...	...	...	...	1	...	...	...	...	...	8
Laryngitis ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Suffocation, overlaying ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other causes ...		4	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	4
Totals.		21	...	4	1	26	6	6	3	2	4	3	2	5	1	1	3	62	

District (or sub-division) of Earsdon.
Population (estimated to middle of 1905) 9,530.
Deaths from all causes at all ages, 62.

Illegitimate, 8.
Deaths from all causes at all ages, 62.

Births in the year : Legitimate, 334 ;

INFECTIOUS DISEASES.

There have been 55 cases of Infectious Disease notified during the year, as against 81 last year, which is a considerable decrease.

The diseases notified were Scarlet Fever, Enteric Fever, Continued Fever, Puerperal Fever, Small-pox, Diphtheria, and Erysipelas, which have occurred at the places and in the months indicated below.

SCARLET FEVER.

Fifteen cases have occurred during the year, a decrease of 18 from last year, and represents an attack rate of 1·57 per thousand.

In 1904 the attack rate was 3·51 per thousand.

EARSDON TOWNSHIP.—Seven cases ; 1 in January, 2 in April, 2 in May, 1 in June, and 1 in July.

BACKWORTH TOWNSHIP.—One case in March.

HOLYWELL TOWNSHIP.—Six cases ; 3 in January, 1 in February, 1 in March, and 1 in June.

MURTON TOWNSHIP.—One case in February.

This disease has been of a mild type. The use of the Hospital has been offered for every case, but has not been taken advantage of except for the two cases which occurred in one house in the Earsdon Township in April.

ENTERIC FEVER.

Three cases of Enteric Fever have occurred, a decrease of 3 from last year.

EARSDON TOWNSHIP.—One case in September.

HOLYWELL TOWNSHIP.—Two cases ; 1 in January and 1 in June.

I visited these cases, but could not discover any local cause for the ones at Holywell, but at Moor Edge, Earsdon, where the case occurred in September, I found that the water which was used for drinking purposes was pumped from a well near the farm house. This well was liable to pollution, and was no doubt the cause of the disease. It has since been closed.

This patient was removed to the Grange Hospital.

A death of a non-resident occurred from this disease at the Grange Hospital in August.

CONTINUED FEVER.

One case occurred in the Earsdon Township in August.

PUERPERAL FEVER.

One case occurred in the Earsdon Township in April.

SMALL-POX.

Nine cases of Small-pox have occurred, which is a decrease of 5 cases from last year.

EARSDON TOWNSHIP.—Three cases ; 1 in February, 1 in March, and 1 in April.

MURTON TOWNSHIP.—Six cases ; 5 in February, and 1 in November.

The outbreak of this disease which occurred in February, in the Murton and Earsdon Townships—as mentioned in my monthly report—was imported by a man who had been going about Murton while suffering from Small-pox, not having had any medical attendant.

The case which occurred in November was of a mild type, and I was unable to discover where he had contracted the disease.

All these cases were removed to the Small-pox Hospital at Scaffold Hill. The contacts isolated and the houses thoroughly disinfected.

DIPHTHERIA.

One case of Diphtheria occurred in the Murton Township in February.

In this case the probable cause of infection was from a drain which was inside the house, and which had no proper ventilation.

ERYSIPELAS.

Twenty-five cases of Erysipelas have occurred, an increase of 2 from last year.

EARSDON TOWNSHIP.—Six cases ; 1 in February, 2 in April, 1 in June, 1 in November, and 1 in December.

BACKWORTH TOWNSHIP.—Seven cases ; 1 in January, 2 in April, 1 in May, 1 in September, and 2 in October.

HOLYWELL TOWNSHIP.—Nine cases ; 1 in February, 2 in May, 2 in June, 1 in July, 1 in August, 1 in November, and 1 in December.

MURTON TOWNSHIP.—Three cases ; 1 in January, 1 in March, and 1 in June.

Of the 55 cases of Infectious Disease notified, only 12 cases were removed to the Isolation Hospitals ; 9 to the Small-pox Hospital, which has accommodation for 20 patients, and 3 to the Grange Hospital, which has accommodation for 24 patients.

The accommodation at these hospitals seems small for the districts they serve, which have altogether a population of about 47,000, but it is to be remembered that in these districts people are very reluctant to allow their relatives to be removed there.

Table III.—EARSDON URBAN DISTRICT.—Cases of Infectious Disease notified during the year 1905.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.							No. of Cases Removed to Hospital from each Locality.								
	At all Ages.	At Ages †—Years.					Earsdon.	Backworth.	Holywell.	Morton.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	1	2	3	4	5	6	7	
		Under 1																				
			1 to 5.	5 to 15.	15 to 25.	25 to 65.																65 and upwards.
Small-pox	9	1	2	...	2	4	3	...	6	...	...	...	...	3	...	...	6	...	...	...	...	
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Diphtheria	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Membranous Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Erysipelas	25	1	1	...	7	14	6	...	9	7	...	...	...	...	...	...	...	...	...	...	...	
Scarlet Fever	15	...	4	7	2	2	1	...	6	1	...	...	...	2	...	...	...	...	...	...	...	
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Enteric Fever	3	...	1	1	...	1	1	...	2	...	...	...	...	1	...	...	...	...	...	...	...	
Relapsing Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Continued Fever	1	...	...	1	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	
Puerperal Fever	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Totals...	55	2	8	11	13	21	19	8	17	11	...	...	...	6	...	...	6	...	...	...	...	

NOTES.—The localities adopted for this Table should be the same as those in Tables II. and IV.

State in space below the name of the Isolation Hospital, if any, to which residents in the district, suffering from infectious disease, are usually sent. Mark (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what district. The name of the authority by whom the hospital is provided should be given. Mark (W) the locality in which a workhouse is situated.

* This space may be used for record of other disease the notification (compulsory or voluntary) of which is in force in the district.

† These age columns for notification should be filled up in all cases where the Medical Officer of Health, by inquiry or otherwise, has obtained the necessary information.

Isolation Hospitals—Grange Hospital, Earsdon Township. Scaffold Hill Hospital for Small-pox, Benton Township.

Earsdon Joint Hospital Board.

WATER SUPPLY.

The water supplied to your district is from the Newcastle and Gateshead Water Company. It is of good quality, and is comparatively free from risk of pollution.

As reported to you in my monthly report of last June, the Townships of Backworth and Murton were receiving an inadequate supply of water. This has been remedied by the laying of a 3-inch pipe from a point near the Council Chambers—a distance of 600 yards—for the special supply of the Backworth Township, and by the laying of a pipe from Bertram Place to Moor Cottage, at Murton—a distance of 1,600 yards—for the special supply of the Murton Township. The old supply for this township from the North Shields main has now been discontinued.

I am glad to say that Holywell Village, which derived its supply from a well, which I frequently pointed out to you, was very liable to pollution, has now got a proper supply, a pipe having been laid from Bates' Cottages—a distance of 500 yards—for this purpose.

The Church Pit, Low Steads Dairy Farm, and Arthur's Farm, Holywell, which were previously without a proper supply of water, have now got one.

The water has been supplied to all new property erected in the district.

The total consumption of water for the year for all purposes has been 29,007,000 gallons, an increase of 1,617,000 gallons from last year. The consumption for domestic purposes has been 24,700,000 gallons, an increase of 2,999,000 gallons from last year.

The average consumption per head per day has been 7·1 gallons, as compared with 6·4 gallons per head per day of last year.

PUBLIC LIGHTING.

During the year the main roads at Earsdon, Backworth, Earsdon Square, New Backworth, and East and West Holywell, have been lighted by electricity. 149-16 candle power lamps have been erected for this purpose, the current for which is supplied by Backorth Coal Company.

The whole of the main roads are now lighted with the exception of Murton Township, and arrangements have been made with the Tynemouth Gas Company for the lighting of this place by gas lamps, and the work is now being proceeded with.

SEWERAGE.

I have again to report the unsatisfactory condition of the sewage farm at Earsdon. The foul condition of the effluent from it is polluting the Brier Dene Burn and causing a nuisance near the Bee Hive Inn.

This sewage farm which was formed over 20 years ago is now totally inadequate to deal with the quantity of sewage brought from the increased area which now drains into it.

It is under consideration by the Council to deal with this question by taking the sewage to the sea.

As mentioned in my report of July the sewer from C Pit discharged near the four houses at this place, and caused a nuisance. This has been remedied by extending the sewer and thus removing the nuisance.

I have found it necessary to complain of the practice which many of the farmers have of laying large and foul heaps of manure near public places which cause a nuisance. This matter requires your attention.

Several of the sewers in your district have been taken up and relaid during the year.

All newly erected houses have the necessary sanitary arrangements.

SCAVENGING.

There are very few water closets in your district, privies and ashpits largely prevail. Many of the ashpits are too large and without roofs which should be remedied.

The disposal of the refuse is accomplished by dividing the district into fourteen sections, which are let by tender to various contractors, who must empty them at least once in four weeks. This system answers fairly well, and has been better and more regularly done than in former years. The chief drawback is the difficulty of finding suitable deposits. A refuse destructor would be a great improvement.

DAIRIES AND COWSHEDS.

I have in company with your Sanitary Inspector visited the dairies and cowsheds in the district. They were satisfactory with the exception of two, which had not a proper water supply, but this defect has been remedied in both cases.

Regulations under the Dairies, Cowsheds, and Milkshops Orders have not been adopted.

OVERCROWDING IN THE DISTRICT.

With regard to my report on the overcrowding of the District of 1904 I am glad to inform you that more attention has been paid to this matter during the last year. Your Sanitary Inspector and I saw the owners of the houses and the colliery managers, and several of the cases of overcrowding have been remedied, although there are still some that require attention.

FACTORIES AND WORKSHOPS.

I have, from time to time, in company with your Sanitary Inspector, visited the Factories and Workshops in the district. The two factories, one at Backworth Village and one at New Backworth, which were without privy accommodation, have had this defect remedied. The others were in good order, and have sufficient air space and ventilation.

INSPECTION.—Factories, 25; Workshops, 36; total, 61.
Written notices—Factories, 2; total, 2.

DEFECTS FOUND.—Sanitary accommodation (insufficient)
—Found, 2; remedied, 2.

Underground Bakehouses—None.

Homework—Lists received—None.

Workshops on the register at the end of the year, 9.

I am, Gentlemen,

Yours obediently,

TAYLOR DIXON.

**To the Chairman and Members of the Earsdon
Urban District Council.**

GENTLEMEN,

I beg to submit to you my Annual Report for the year ending December 31st, 1905.

NEW BUILDINGS.

During the year plans have been presented and approved for 10 new houses in the district. Improvements have been made to houses at Backworth and Holywell by the erection of back kitchens by the colliery company.

PRIVATE STREET WORKS ACT.

This Act has not been put into force in the district. There are still a great number of streets that are in a bad condition. The owners of which have all been written to, but I am afraid the only way to have these streets repaired and put in order is for the Council to undertake the work and charge the expense to the owners. Several of the streets at Backworth have been put in order by the coal company. They intend to do the remainder in the near future.

SEWERAGE.

The sewer at Milbourne Terrace, Holywell, has been taken up and relaid, and 2 extra manholes built.

The sewer at Duke's Cottages, Earsdon, has also been taken up and relaid, with cast iron pipes across the main road. The sewer at South Street, Bertram Place, has also been relaid.

A storm trap has been fixed at Earsdon, below Red Lion Inn, to prevent back flooding in wet weather.

The Havelock Place sewer outlet has been extended a distance of 110 yards, at the cost of £34 6s. 8d.

I have prepared plans, &c., for the carrying of the sewerage to tidal waters at the North Sea, which, after the necessary notice has expired, application will be made to the Local Government Board for permission to borrow money to undertake the scheme.

Ventilating shafts have been fixed in different parts of the district for sewer ventilation.

All sewers are periodically flushed by automatic flushing tanks.

WATER SUPPLY.

Your district is supplied with water from the Newcastle Water Company under the new arrangement, namely, 6d. per 1,000 gallons.

Previously Backworth district supply was intermittent. This part of your district has been connected from the 4-inch main near the Council offices by a 3-inch main, a distance of 600 yards, at the cost of £130.

The supply is now constant.

The supply for Murton and New York is now taken from your main at Bertram Place instead of from the North Shields main, a 3-inch main has been laid a distance of 1,650 yards at a cost of £211.

Since this has been completed the supply to New York has been constant. Also a 3-inch main has been laid to Holywell village, a distance of 500 yards, at a cost of £53.

The water has been laid on to the Low Steads Dairy Farm at a cost of £14 10s. A supply of water has been taken to the Church pit, a distance of 500 yards, at a cost of £11 5s.

The water mains have been extended on account of new property at Earsdon and Bates' Cottages.

New standposts have been fixed at Seaton Terrace.

36 new services have been laid in different parts of your district. All parts of your district have a good supply of water from your mains.

The consumption of water in the different districts has been as follows :—

DISTRICT.		Average consumption	
	Gallons.	per head per day.	
Earsdon ...	... 9,519,000	=	9·2 gallons.
Holywell...	... 7,371,000	=	6·4 „
Backworth	... 5,239,000	=	6·6 „
Murton ...	... 2,511,000	=	7·0 „
		24,700,000	

The total consumption of water for all purposes in the district has been 29,007,000 gallons, as against 27,390,000 gallons last year.

PUBLIC HEALTH ACTS.

During the year a large number of nuisances have been brought under my notice, and abated when I drew the responsible persons' attention to them.

During the year the Councillors in a body inspected the whole district with a view to ascertain its sanitary condition, and I submitted a detailed report of the inspection.

With regard to the special report of the County Council Medical Officers on the overcrowding in the County, as far as it concerns this district, I am pleased to say improvement has taken place, several families have been removed into larger houses.

SLAUGHTER HOUSES.

I have inspected these with your Medical Officer. They are kept in very good condition. There are six of them in number. On my recommendation an iron tumbler cart has been purchased, and used by the Shiremoor Co-operative Society for the removal of offal.

Bye-laws should be framed for the control of these premises.

DAIRIES AND COWSHEDS.

These have been inspected with your Medical Officer.

The majority are in good condition. As mentioned previously the water supply has been laid on to two at Holywell Village and one at Low Steads. Bye-laws should be adopted for the control of these premises.

PRECAUTION AGAINST INFECTIOUS DISEASES.

Cases of infectious disease notified are visited, and the surroundings inspected. Disinfectants are supplied gratis, and if practicable the premises are fumigated. During the year I have fumigated the schools at New York and Earsdon. A disinfector for clothing, bedding, &c., is required.

FACTORY AND WORKSHOPS ACTS.

I have periodically inspected the factories and workshops in your district and found them in good order.

SCAVENGING.

The scavenging and disposal of refuse in the district is carried out by contract. The district is divided into 14 sections. The contractors have carried out the work in a fairly satisfactory manner, which is an improvement on previous years.

The cost of the scavenging in the different sections per house per annum is as follows :—

Earsdon Township.

				Per house per annum.					
				Cost					
No. of Houses.				s.	d.	£	s.	d.	
Earsdon Village	...	112	...	8	11	...	50	0	0
Bertram Place	...	128	...	7	8	...	49	0	0
Earsdon Road	...	168	...	8	4	...	70	0	0
Shiremoor	...	226	...	7	11 $\frac{1}{2}$	...	90	0	0
Earsdon Square	...	56	...	6	3	...	17	10	0
Total No. of Houses		690			Total cost		£276	10	0

Backworth Township.

Backworth Rows	...	211	...	6	7 $\frac{1}{2}$	...	70	0	0
Backworth Village	...	40	...	7	4 $\frac{3}{4}$	...	14	15	0
C Pit and Low Steads	...	124	...	5	7 $\frac{3}{4}$	...	35	0	0
Total No. of Houses				375	Total cost £119 15 0				

Holywell Township.

Seaton Terrace	...	232	...	5	2	...	60	0	0
Bates Cottages	...	174	...	4	11 $\frac{3}{4}$	...	42	15	0
Holywell Village	...	38	...	4	10	...	9	5	0
East Holywell	...	99	...	6	8	...	33	0	0
West Holywell	...	109	...	5	7	...	30	10	0
Total No. of Houses				652	Total cost £175 10 0				

Murton Township.

Murton and New York	210	...	7	7 $\frac{1}{2}$	...	80	0	0
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The total cost of scavenging for the district was £651 15s., which is a cost of 1s. 4 $\frac{1}{4}$ d. per head of the population.

Total cost last year was £733 2s. 6d., which was at the rate of 1s. 6 $\frac{3}{4}$ d. per head of the population.

You will note that it has cost £81 7s. 6d. less this year for the scavenging, and there are 10 more houses.

LIGHTING.

During the year the Earsdon, Backworth, Havelock Place, Earsdon Square, and East Holywell roads have been lighted by electricity, at a cost of about £570. The number of lamps are 149, of 16 c.p., the number of units used in this portion of your district was 6,097, at a cost of 6d. per unit, but I am unable to work out the cost per lamp, as these have not been erected a whole year.

The Seaton Terrace and Holywell Village, part of your district, is supplied by electricity at 28s. per lamp per annum. 5 extra lamps have been erected at Holywell Village at a cost of £22.

Arrangements have been entered into with the Tyne-mouth Gas Company to light New York and Murton by gas, and a start has been made with this work.

GENERAL

I have periodically inspected your district, and as stated in my previous reports there are still a number of large open ashpits, which should be reduced in size and covered in. In parts of your district open channels are the only means of drainage. These should be done away with and proper gullies fixed, properly connected to the main sewer.

A great number of nuisances of a minor character have been abated by the owner on receiving an informal notice from me.

I again express my thanks to the members and officials of the Council, and also to the public generally, for the manner in which I have been supported in the discharge of my duties.

Your obedient Servant,

J. R. MacMILLEN.

